

Message Text

UNCLASSIFIED

PAGE 01 NEW DE 08122 190955Z

43

ACTION AEC-11

INFO OCT-01 NEA-14 ISO-00 SCI-06 FEA-02 ACDA-19 CIAE-00

INR-10 IO-14 L-03 NSAE-00 NSC-07 RSC-01 DRC-01 /089 W

----- 075320

R 190855Z JUN 74

FM AMEMBASSY NEW DELHI

TO SECSTATE WASHDC 2144

INFO AMCONSUL BOMBAY

UNCLAS NEW DELHI 8122

PASS AEC

E.O. 11652: N/A

TAGS: TECH IN

SUBJECT: U.S. GIVES ATOM SMASHER TO POONA UNIVERSITY

REFS: (1) NEW DELHI 2179; (2) STATE 058114

1. JUNE 19 TIMES OF INDIA UNDER ABOVE HEADLINE REPORTS

QUOTE POONA, JUNE 18: (I) THE US ATOMIC
ENERGY COMMISSION HAS GIVEN AN ATOM-SMASHER
AS A GIFT TO POONA UNIVERSITY.

(II) THE DOLS100,000 (ABOUT RS. 10 LAKHS) MACHINE
CALLED "MICROTRON" WAS BROUGHT TO THE
UNIVERSITY YESTERDAY AND WOULD BE INSTALLED IN
THE PHYSICS DEPARTMENT.

(III) BUILT AT THE LAWRENCE RADIATION
LABORATORY IN CALIFORNIA, THE ONE-AND-A-HALF
TON MICROTRON, FIRST OF ITS KIND IN INDIA, IS
CAPABLE OF HURLING BULLETS OF ATOMIC
PARTICLES CALLED "ELECTRONS" AT A SPEED OF
ABOUT 100,000 KM A SECOND.

(IV) AT SUCH SPEEDS THEY PRODUCE GAMMA RAYS
AND X-RAYS AND PULSES OF FAST NEUTRONS. THEY
HAVE A VARIETY OF APPLICATIONS IN PHYSICS,
CHEMISTRY, BIOLOGY AGRICULTURE AND NUCLEAR
MEDICINE. FAST NEUTRONS PARTICULARLY ARE
UNCLASSIFIED

UNCLASSIFIED

PAGE 02 NEW DE 08122 190955Z

NOW USED IN CANCER THERAPY.

(V) DR. M.C. Bhide, HEAD OF THE PHYSICS
DEPARTMENT, SAID HIS DEPARTMENT WOULD ITSELF
BUILD A MICROTRON DURING THE NEXT FIVE YEARS
ON A NEW DESIGN DEVELOPED BY POONA UNIVERSITY
STUDENTS. IT WOULD BE CAPABLE OF PRODUCING
GREATER ELECTRON CURRENT THAN NOW POSSIBLE WITH
THE EXISTING MICROTRONS. UNQUOTE.

2. EMBASSY COMMENT: WOULD THE AEC PLEASE CONFIRM THIS,
AND GIVE US THE DETAILS? DOES IT HAVE ANY RELATION TO THE
DOLS100,000 CYCLOTRON DONATED TO PUNJAB UNIVERSITY
(REFTELS 1 AND 2)?MOYNIHAN

UNCLASSIFIED

NNN

Message Attributes

Automatic Decaptioning: X
Capture Date: 01 JAN 1994
Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: PHYSICS, SCIENTIFIC COOPERATION, NUCLEAR RESEARCH, GIFTS
Control Number: n/a
Copy: SINGLE
Draft Date: 19 JUN 1974
Decaption Date: 01 JAN 1960
Decaption Note:
Disposition Action: n/a
Disposition Approved on Date:
Disposition Authority: n/a
Disposition Case Number: n/a
Disposition Comment:
Disposition Date: 01 JAN 1960
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
Document Number: 1974NEWDE08122
Document Source: CORE
Document Unique ID: 00
Drafter: n/a
Enclosure: n/a
Executive Order: N/A
Errors: N/A
Film Number: D740159-1027
From: NEW DELHI
Handling Restrictions: n/a
Image Path:
ISecure: 1
Legacy Key: link1974/newtext/t19740632/aaaabbbf.tel
Line Count: 73
Locator: TEXT ON-LINE, ON MICROFILM
Office: ACTION AEC
Original Classification: UNCLASSIFIED
Original Handling Restrictions: n/a
Original Previous Classification: n/a
Original Previous Handling Restrictions: n/a
Page Count: 2
Previous Channel Indicators: n/a
Previous Classification: n/a
Previous Handling Restrictions: n/a
Reference: (1) NEW DELHI 2179; (2) STATE 058114
Review Action: RELEASED, APPROVED
Review Authority: martinjw
Review Comment: n/a
Review Content Flags:
Review Date: 18 SEP 2002
Review Event:
Review Exemptions: n/a
Review History: RELEASED <18 SEP 2002 by PhilliR0>; APPROVED <13 JAN 2003 by martinjw>
Review Markings:

Declassified/Released
US Department of State
EO Systematic Review
30 JUN 2005

Review Media Identifier:
Review Referrals: n/a
Review Release Date: n/a
Review Release Event: n/a
Review Transfer Date:
Review Withdrawn Fields: n/a
Secure: OPEN
Status: NATIVE
Subject: U.S. GIVES ATOM SMASHER TO POONA UNIVERSITY
TAGS: TECH, IN, US
To: STATE
Type: TE
Markings: Declassified/Released US Department of State EO Systematic Review 30 JUN 2005